



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

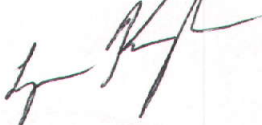
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September 28, 1994

TO: Minerals File

FROM: Lynn Kunzler, Reclamation Specialist 

RE: Site Inspection, American Stone, Incorporated, Cotton Thomas Quarry Mine, S/003/024, Box Elder County, Utah

Date of Inspection: September 21, 1994
Time of Inspection: 9:30am
Conditions: clear
Participants: Lon Thomas, ASI; Tony Gallegos and Lynn Kunzler, DOGM
Purpose of Inspection: Resolve variance issues for highwalls and topsoil salvaging.

Pursuant to the Division's August 16, 1994 acceptance letter of American Stone's NOI, we inspected the site to determine the validity of the requested highwall variance and variance for salvaging topsoil. The eastern end of the main quarry was near final grade. The grade was less than 45 degrees and we were able to easily walk to the top. Mining activity had removed stone to a depth of about 12 - 15 feet, leaving a stone footwall. There was very little area that would be steeper than the 45 degree requirement and the Division staff found these areas to be stable and to blend in with the natural adjacent terrain. The requested variance for highwalls steeper than 45 degrees for the north side of the quarry should be granted.

We inspected the areas adjacent to the quarry for topsoil volume and quality. This soil was very shallow (1 - 2 inches) and stony, which would make any salvage very difficult or impossible. A topsoil salvaging variance is also warranted.

Final reclamation of the angle of repose waste dump was discussed and it was suggested that the dump be benched and that the crest be pulled back to round off the crest.

The operator was also collecting stone on a nearby site that was about .2 mile south of the Cotton Thomas Quarry. This site should be considered part of the Cotton Thomas Quarry as per the Division's neighboring sites policy. The Division estimated the acreages of these two areas by pacing. The northern area is about 4 acres and the southern area was about .5 acres. Mr. Thomas was cautioned to submit a NOI for a large mining operation before he expanded to over 5 acres.

A camp area below the quarry sites is used for crew living quarters.

Photographs were taken to document the current status of the sites.

cc: Lon Thomas, ASI

